

<b>PROJECT</b>	UMTRA GROUND WATER	<b>NORTH COORD. (FT)</b>	238976.65	<b>DATE DRILLED</b>	09/15/1987 to 09/23/1987
<b>LOCATION</b>	GREEN RIVER, UT	<b>EAST COORD. (FT)</b>	2386718.08	<b>SURFACE ELEV. ( FT NGVD)</b>	4072.70
<b>SITE</b>	GREEN RIVER	<b>HOLE DEPTH (FT)</b>	177.00	<b>TOP OF CASING (FT)</b>	4074.88
<b>WELL NUMBER</b>	0819	<b>WELL DEPTH (FT)</b>	167.80	<b>MEAS. PT. ELEV. (FT)</b>	4074.88
				<b>SLOT SIZE (IN)</b>	0.050
				<b>BIT SIZE(S) (IN)</b>	10.0 / 7.88
	<b>WELL INSTALLATION</b>	<b>INTERVAL (FT)</b>			
<b>SURFACE CASING:</b>	8 in. Steel	-2.0 to	18.0	<b>DRILLING METHOD</b>	ROTARY WITH BUTTON BIT
<b>BLANK CASING:</b>	4 in. PVC Sch 40	-2.18 to	146.0	<b>SAMPLING METHOD</b>	
<b>WELL SCREEN:</b>	4 in. Slotted PVC	146.0 to	166.0	<b>DATE DEVELOPED</b>	
<b>SUMP/END CAP:</b>	4 in. PVC Sch 40	166.0 to	167.8	<b>WATER LEVEL (FT BTOC)</b>	30.0 on 09/15/1987
<b>SURFACE SEAL:</b>				<b>LOGGED BY</b>	Wood, W.
<b>GROUT:</b>	Cement - Bentonite	0.0 to	131.4	<b>REMARKS</b>	
<b>SEAL:</b>	Bentonite Pellets	131.4 to	133.2		
<b>UPPER PACK:</b>					
<b>LOWER PACK:</b>	8-12 Silica Sand	133.2 to	136.4		

DEPTH (FT BGL)	ELEV. (FT NGVD)	BLOW COUNTS	SAMPLE ID.	EXTENT	WELL DIAGRAM	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
4070							0-10.0 ft. SILTY SAND (SM); fine, no plasticity, tan, sporadic silt seams.
10	4060						10.0-18.0 ft. SILTY GRAVEL (GM); poorly graded to 2" diameter, subrounded, tan, sporadic silt seams. Some cobbles below 13.0 ft.
20	4050						18.0-20.0 ft. CLAYEY GRAVEL (GC); Well graded to 3/4" diameter, subrounded, medium plasticity, light tan.
							20.0-30.0 ft. DAKOTA SANDSTONE:
							20.0-22.0 ft. SANDSTONE: very weathered, soft to moderately hard, tan.
							22.0-30.0 ft. CLAYSTONE; very weathered, soft, tan.
30	4040						30.0-177.0 ft. CEDAR MOUNTAIN FORMATION:
							30.0-65.0 ft. SHALE; slightly weathered, moderately hard, blue-gray. Possible limestone layer at 30.0 to 31.5 ft. Limestone from 35.0 to 38.0 ft., intercalated with blue-gray shale. Sporadic thin limestone layers. Fairly uniform shale from 40.0 ft. Predominately light tan with blue-green mottling. Becoming soft and light tan@ 60.0 ft.
40	4030						
50	4020						

# MONITORING WELL COMPLETION LOG GRN01-0819

**PROJECT** UMTRA GROUND WATER

**WELL NUMBER** 0819

**SITE** GREEN RIVER

**DATES DRILLED** 09/15/1987 to 09/23/1987

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DEPTH (FT BGL)	ELEV. (FT NGVD)	BLOW COUNTS	SAMPLE ID.	EXTENT	WELL DIAGRAM	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
70	4010				<p>Cement - Bentonite</p>		65.0-67.0 ft. SANDSTONE; fresh, hard, light gray.
							67.0-90.0 ft. SHALE; moderately weathered, soft, light green-gray (somewhat calcareous).
							@70.0 ft. slightly weathered, moderately hard, light tan to light green gray.
80	4000						
	3990						
90	3980						90.0-101.0 ft. SANDSTONE; fresh, hard, light tan to light gray.
100	3970						101.0-154.0 ft. SHALE; calcareous, slightly weathered, moderately hard to soft, gray to dark purple, sporadic thin layers of limestone. Becoming purple @ 118.0 ft.
110	3960						
	3950						
120							
	3940				<p>Bentonite Pellets</p>		
130							

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# MONITORING WELL COMPLETION LOG GRN01-0819

PROJECT UMTRA GROUND WATER WELL NUMBER 0819  
 SITE GREEN RIVER DATES DRILLED 09/15/1987 to 09/23/1987

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DEPTH (FT BGL)	ELEV. (FT NGVD)	BLOW COUNTS	SAMPLE ID.	EXTENT	WELL DIAGRAM	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
140	3930				PVC Sch 40		
150	3920				8-12 Silica Sand		
160	3910				0.050" Slotted PVC		154.0-177.0 ft. SANDSTONE; fresh, very fine grained, moderately hard to hard, light gray.
170	3900				Slough		
180	3890						Total Depth 177.0 ft.
190	3880						
200	3870						
210	3860						

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